

## WHAT IS CLAIMED IS:

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1. A recording medium cartridge comprising:  
a cartridge case containing a recording medium; and  
a noncontact-type memory having an IC section for  
storing information and performing signal processing, and  
an antenna section for transmitting and receiving signals,  
wherein the antenna section of said noncontact-type  
memory is placed in a region furtherest from metallic parts.

2. A recording medium cartridge comprising:  
a noncontact-type memory having an IC section for  
storing information and performing signal processing, and  
an antenna section for performing data transmission by  
transmitting and receiving signals, data being read from  
and written to said noncontact type memory in a noncontact  
manner; and

an accommodation portion which accommodates said  
noncontact-type memory at least partially, and which  
includes a first portion corresponding to said noncontact-  
type memory and a second portion in the vicinity of said  
noncontact-type memory;

wherein said accommodation portion is recessed one  
step relative to a surrounding portion.

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3. The recording medium cartridge according to Claim 2, wherein said recording medium cartridge is a magnetic tape cartridge.

4. The recording medium cartridge according to Claim 2, wherein, in said accommodation portion recessed one step relative to the surrounding portion to accommodate said noncontact-type memory, said first portion on which said noncontact-type memory is fixed and positioned is recessed further one step relative to said second portion, and a position of said noncontact-type memory is limited in front-rear and left-right directions by said first portion recessed further one step.

5. The recording medium cartridge according to Claim 3, further comprising a sheet position limit pin with a reinforcement rib, wherein the reinforcement rib of said sheet position limit pin has an extension portion being partially extending into said accommodation portion which is recessed one step relative to the surrounding portion and which accommodates said noncontact-type memory, and wherein said extension portion limits a position of said non noncontact-type memory in front-rear direction.

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6. The recording medium cartridge according to Claim 5, wherein said extension portion of the reinforcement rib of the sheet position limit pin at a side facing said noncontact-type memory is shaped so as to facilitate insertion of said noncontact-type memory.

7. The recording medium cartridge according to Claim 3, further comprising a rib for limiting a position of a magnetic tape winding wound around a hub when the magnetic tape winding plays, said rib being formed in the vicinity of said portion for accommodating said noncontact-type memory, said rib having a certain curvature, said rib having at least a length enough to prevent the magnetic tape winding from contacting said noncontact-type memory when the magnetic tape winding plays.

8. The recording medium cartridge according to Claim 7, wherein said rib for limiting the position of the magnetic tape winding when the magnetic tape winding plays is formed so as to limit a position of said noncontact-type memory at least in a lengthwise direction of said magnetic tape cartridge.

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9. The recording medium cartridge according to Claim 7, wherein said rib for limiting the position of the magnetic tape winding when the magnetic tape winding plays has drafts used at the time of molding, and the drafts are set so that one draft on a side of the noncontact-type memory is larger than another draft on a side of the magnetic tape winding.

10. The recording medium cartridge according to Claim 3, wherein a thick portion which is a non-thickness reducing portion provided at a foot of a thickness-reducing portion of a portion formed at a rear side of said magnetic tape cartridge and corresponding to a magnetic tape winding is extended to the recessed accommodation portion in the vicinity of a position at which said noncontact-type memory is accommodated, and wherein the extended portion of the thick portion limits the position of said noncontact-type memory in a lengthwise direction of said magnetic tape cartridge.

11. The recording medium cartridge according to Claim 3, wherein, in said accommodation portion recessed one step relative to the surrounding portion to accommodate said noncontact-type memory, a rib having a length

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substantially equal to a size of said noncontact-type memory in a lengthwise direction is provided along a lengthwise direction of said magnetic tape cartridge.

12. A magnetic tape cartridge comprising:

a cartridge case constituted by an upper case member and a lower case member, a magnetic tape winding being accommodated in said cartridge case; and

a noncontact-type memory for recording information on contents of information recorded on a magnetic tape and information on the magnetic tape cartridge,

wherein said noncontact-type memory is curved so as to conform to a circumferential configuration of the magnetic tape winding accommodated in said cartridge case when a diameter of the magnetic tape winding is maximized, said noncontact-type memory being mounted in said cartridge case so that the curved shape of said noncontact-type memory forms a portion of an inner wall of a reel area for accommodating the magnetic tape winding in said cartridge case.

13. A recording medium cartridge comprising:

a cartridge case in which a recording medium is contained; and

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a noncontact-type memory for recording information on recording medium cartridge and information on contents of information recorded on the recording medium,

wherein said noncontact-type memory is mounted in such a position as to be exposed when said recording medium cartridge is loaded into a drive.

14. A recording medium cartridge comprising:

a cartridge case in which a recording medium is contained; and

a noncontact-type memory for recording information on recording medium cartridge and information on contents of information recorded on the recording medium,

wherein said noncontact-type memory is mounted in such a position as to be exposed when a cover member of said recording medium cartridge is opened.

15. The recording medium cartridge according to Claim 14, wherein said recording medium cartridge is a cartridge having said cartridge case rotatably accommodating a single reel around which a magnetic tape is wound, a cartridge having said cartridge case rotatably accommodating a single magnetic disk, and a cartridge having said cartridge case accommodating a pair of winding

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hubs around which the magnetic tape is wound.

16. The recording medium cartridge according to Claim 14, wherein said recording medium cartridge is a two-reel type magnetic tape cartridge accommodating a pair of winding hubs around which a magnetic tape is wound, and wherein said noncontact-type memory is attached to a back surface of the cover member.

17. The recording medium cartridge according to Claim 14, wherein said recording medium cartridge is a two-reel type magnetic tape cartridge accommodating a pair of winding hubs around which a magnetic tape is wound, said cartridge having an opening, and wherein said noncontact-type memory is attached to a back surface of the cover member.

18. A recording medium cartridge of a two-reel type accommodating a pair of winding hubs around which a magnetic tape is wound, comprising:

an opening; and

a noncontact-type memory for recording information on recording medium cartridge and information on contents of information recorded on the magnetic tape accommodated in

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said recording medium cartridge,

wherein said noncontact-type memory is mounted in such a position as to face said opening.

19. A recording medium cartridge of a two-reel type accommodating a pair of winding hubs around which a magnetic tape is wound, said recording medium cartridge comprising:

an opening; and

a noncontact-type memory for recording information on recording medium cartridge and information on contents of information recorded on the magnetic tape accommodated in said recording medium cartridge,

wherein said noncontact-type memory is mounted on an inner surface of said recording medium cartridge at such a position as to contact the magnetic tape.

20. The recording medium cartridge according to Claim 19, wherein a peripheral portion of a position at which said noncontact-type memory is mounted is recessed.

21. A recording medium cartridge comprising:

a cartridge case constituted of an upper case member and a lower case member, a recording medium being

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accommodated in said cartridge case;

a noncontact-type memory for recording information on contents of information recorded on the recording medium and information on said recording medium cartridge,

wherein said noncontact-type memory is mounted in a recess formed in an outer surface of said cartridge case.

22. The recording medium cartridge according to Claim 21, wherein a recess is formed in an outer surface portion of said cartridge case around a screw hole into which a screw for fastening the upper and lower case members is inserted, and wherein said noncontact-type memory is mounted in said recess with a fastening screw at the time of fastening the upper and lower case members.

23. The recording medium cartridge according to Claim 21, wherein a recess is formed in an outer surface portion of said cartridge case in the vicinity of a portion which serves as a reference surface when said recording medium cartridge is loaded in a recording and reproducing apparatus, and wherein said noncontact-type memory is mounted in said recess.

24. The recording medium cartridge according to

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Claim 21, wherein if said recording medium cartridge has a lid for protecting a front-side opening of said cartridge case, a recess is formed in a side surface of said lid at one end in a lengthwise direction of said lid, and said noncontact-type memory is mounted in said recess.

25. The recording medium cartridge according to Claim 21, wherein if said recording medium cartridge has slider for protecting a bottom-side opening of said cartridge case, a cut is formed in a rear end portion of said slider; a recess is formed in an outer surface portion of said cartridge case coinciding with said cut of said slider when said slider is at a position at which said slider uncovers the bottom-side opening of said cartridge case; and said noncontact-type memory is mounted in said recess.

26. A cartridge label capable of being attached to a recording medium cartridge having a cartridge case accommodating a recording medium, containing a noncontact-type memory; wherein

said noncontact-type memory has an IC section for performing information storage and signal processing for recording information on the recording medium cartridge and

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information on a recording medium accommodated in the recording medium cartridge, and an antenna section for transmitting and receiving signals,

wherein at least an antenna section protective indication for indicating an information writing area other than the area on an antenna coil of the antenna section is provided on said cartridge label.

27. The cartridge label according to Claim 26, wherein said antenna section protective indication is provided by one of printing or attaching a seal which is prepared in advance according to a size of the antenna section is performed to provide.

28. The cartridge label according to Claim 26, wherein said antenna section protective indication designates an area inside a looped antenna constituting the antenna section as an information writing area.

29. The cartridge label according to Claim 26, wherein said antenna section protective indication designates an area inside a looped antenna constituting the antenna section as an information writing area, and is design-integral.

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30. The cartridge label according to Claim 26,  
wherein said noncontact-type memory is reusable.

31. The cartridge label according to Claim 30,  
wherein said cartridge label is formed so as to be capable  
of being inserted into and drawn out from slide grooves  
provided in the recording medium cartridge, and wherein,  
when the recording medium cartridge becomes unnecessary,  
said cartridge label is drawn out from the slide grooves of  
the recording medium cartridge and is inserted into and  
held on another recording medium cartridge.

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